

Author Index

- Abe, M., 177
Aoyagi, T., 37
Askendal, A., 59
- Baszkin, A., 197
Blomberg, E., 67
Brook, M.A., 285
- Cerf, A.M.C., 247
Chen, T.-C., 187
Chung, J.E., 37
Claesson, P., 67
- Dalençon, F., 197
Dehaye, J.-P., 247
Devleeschouwer, M.J., 247
Devold, T., 257
Deyme, M., 233
- Elwing, H., 59
Eriksson, C., 67
Eskilsson, K., 305
Esumi, K., 269
- Fowers, K.D., 315
Fujii, Y.-K., 169
- Gage, R.A., 139
García, D.A., 49
- Han, J.H., 109, 131
Harms, H., 331
Harwell, J.H., 177
Heritage, P., 285
Higa, M., 1
Huda, M.S., 213
Hug, S.J., 331
- Imae, T., 31
Itai, S., 275
- Jiang, J., 285
Jones, M.N., 101
- Ju, Y.-H., 187
Jucker, B.A., 331
- Kamysny, A., 147
Kawashima, N., 177
Khan, A., 305
Khoda, A., 117
Kiely, L.J., 297
Kopeček, J., 315
- Launay, J.-M., 197
Lee, C.-H., 109, 131
Lee, S., 169
Le Visage, C., 233
Liu, J.C., 187
Lyklema, J., 81
- Magdassi, S., 147
Makino, K., 225
Manivet, P., 197
McDermott, M.R., 285
Miller, M.J., 101
Mishima, K., 9
Miyasaka, K., 1, 17
Miyazawa, K., 177
Mizusaki, T., 269
Moosavi-Movahedi, A.A., 123
Morén, A.K., 305
Mori, O., 31
Morisaki, H., 205
Mortensen, G., 297
- Nagadome, S., 169
Nagata, H.D., 169
Nakagawa, Y., 17
Nazari, K., 123
Nishizaki, K., 275
Norde, W., 81, 139, 157
Nygren, H., 67
- Ohshima, H., 225
Okano, T., 37
Olson, N.F., 297
- Perillo, M.A., 49
Pitt, W.G., 239
- Qian, Z., 239
- Reboiras, M.D., 101
Rölla, G., 257
Rosilio, V., 197
Rykke, M., 257
- Saboury, A.A., 123
Sagers, R.D., 239
Sakai, H., 177
Sakurai, Y., 37
Sasaki, Y., 169
Satoh, K., 9
Smistad, G., 257
Sugihara, G., 169
Suzuki, K., 9, 37
- Takashima, S., 205
Takeuchi, T., 225
Tanioka, A., 1, 17
Terayama, H., 269
Tsubaki, N., 177
- Underdown, B., 285
- Van der Wal, A., 81
- Wal, A.v., 81
Winqvist, F., 59
- Yajima, I., 177
Yamaguchi, T., 275
Yamauchi, K., 117
Yokoyama, M., 37
Yokoyama, Y., 1
Yoshikawa, S., 233
Young, A., 257
- Zehnder, A.J.B., 81, 331
Zoungrana, T., 157



Subject Index

- Active transport, 17
- Adsorption, 139, 147, 157
- Adsorption heat, 169
- Adsorption isotherm(s), 169
- Affinity partitioning, 109
- Aggregation, 225
- Alkyl chain, 37
- Anionic liposomes, 101
- Antibiotic, 239
- Antigen–antibody interaction, 59
- Aqueous dispersion, 269
- Aqueous two-phase, 109
- Aqueous two-phase system, 131
- Atomic force microscopy, 31

- Bacillus subtilis* neutral protease, 109, 131
- Bacteria, 239
- Bacterial adhesion, 247, 331
- Bacterial surface, 297
- Bile salt(s), 169
- Binding isotherm, 247
- Binding of serotonin analogs, 197
- Biofilm, 239
- Bipolar membrane, 1, 17
- Bovine serum albumin, 31, 117
- Brevibacterium linens*, 297
- Buccal epithelial cell, 247

- Candida albicans*, 101
- Casein micelles, 257
- cationic liposomes, 101
- Cell attachment, 205
- Cell surface, 205
- Cellulose, 269
- Cell wall charge, 81
- Cell wall composition, 81
- Cell wall potential, 81
- Chromatography, 131
- α -chymotrypsin, 157
- CMC, critic micellar concentration, 49

- Colloidal clusters, 147
- Cross partitioning, 131

- Donnan equilibrium, 17
- DOTAC, 305
- Double layer composition, 81

- Electron microscopy, 257
- ELISA, 147
- Enzymatic activity, 157
- Enzyme immobilization, 17
- Equilibrium spreading pressure, 213
- Esin–Markov analysis, 81
- ESR, 269

- Fibrinolytic surfaces, 315
- Flunitrazepam, 49
- FNTZ, flunitrazepam, 49

- GABA, gamma-aminobutyric acid, 49
- Gaussian distribution, 247
- Gel, 305
- Glass, 67
- Grafted polymerization, 1
- Graphite, 169

- Helicity, 233
- Horseradish peroxidase, 123
- Human saliva, 257
- Human Serum albumin, 285
- Hydration, 205
- Hydrogen bonds, 331
- Hydrophilic surface, 139
- Hydrophobic interaction, 37
- Hydrophobicity, 147, 297
- Hydrophobic surface, 139
- Hydroxylated fatty acid, 213

- IgG, 147
- Imaging reflectometry, 59
- Immunoprecipitate visualization, 59

- Implant infection, 239
Insonation intensity, 239
Isoelectric pH, 131
- Keratin, 117
- β -lactoglobulin, 305
Langmuir adsorption, 101
Langmuir plot, 169
Lipid emulsion, 275
Lipopolysaccharides, 331
Liposome adsorption, 101
- Membrane anchor, 9
Membrane potential, 1
Mica, 31, 67
Micelle, 37
Microcapsule, 117
Microparticle, 285
MLV, multilamellar vesicles, 49
Molecular area, 275
Molecular order, 9
Monolayer, 275
Monolayer coverage, 101
Monolayer stability, 213
Multivalent cation, 225
- n*-Dodecyl trimethylammonium bromide, 123
Nernst-Planck equation, 17
Neuropeptide Y, 233
Nonequilibrium thermodynamics, 17
- Oligopeptide, 139
Optical birefringence, 9
- Partition coefficient, 109, 131
Partition coefficients, 49
Peptide adsorption, 233
Phase equilibria, 305
Phosphatidylcholine, 9
Phospholipid bilayers, 49
Photogeneration, 187
Photoimageable polymer, 187
Plasma polymerization, 1
Plasma proteins, 67
Plasminogen, 315
Platelets, 67
PMN cells, 67
Polymer-grafting microcapsule, 225
Polymeric amine, 187
Polymer interactions, 331
Poly(*N*-isopropylacrylamide), 37
Polysaccharide, 9
Polystyrene, 157
Porous polypropylene, 1
Precipitate, 305
Pressure-area isotherms, 213
Protein, 139
Protein-surfactant interactions, 305
Protein adsorption, 31
Protein conformation, 157
Protein release, 285
Proteins, 109
Proton titration, 81
Pseudo-Brewster angle, 59
Pseudomonas aeruginosa, 239, 247
Pseudomonas syringae, 205
- Quantum yield, 187
- Salivary micelle-like structures, 257
Salivary proteins, 257
Scanning reflectometry, 59
SEM, standard mean error, 49
Serotonin, 197
Serotonin transporter (SERT), 197
Silicone, 285
Sodium *n*-dodecyl sulphate, 123
Softness of polymer layer, 205
Solution, 305
Sonication, 117
Spin-labeled cellulose, 269
Spread protein monolayers, 197
Starch, 285
Statistics, 247
Steroid, 269
Surface activity, 147
Surface free energy, 297
Surface modification, 9
Surface potential, 233
Surface pressure, 275
Surface pressure measurements, 197
Surface pressure relaxation, 213
Surface tension, 233
Surfactant, 139
- Test of normality, 247
Thermo-response, 37
Thermodynamic parameters, 123
- Ultrasound, 239
Urease, 17
- Variance equality, 247
- Zeta potential, 275

